



10/731796

COFC

PTO/SB/21 (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	Patent#: 7,159,070
		Filing Date	Issued: January 2, 2007
		First Named Inventor	Stephen J. Todd, et al.
		Art Unit	2186
		Examiner Name	L. Iwashko
Total Number of Pages in This Submission	5	Attorney Docket Number	E0295.70196US00

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction; Certificate of Correction Form PTO/SB/44; Return Receipt Postcard
Certificate FEB 01 2007 of Correction		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	Scott J. Gerwin		
Date	January 25, 2007	Reg. No.	57,866

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop cer, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: January 25, 2007

Signature:

(Eileen M. MacKenzie)

FEB - 2 2007 36598.1



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<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	Scott J. Gerwin		
Date	January 25, 2007	Reg. No.	57,866

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Dated: January 25, 2007	Signature: (Eileen M. MacKenzie)

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FEB - 2 2007



PTO/SB/17 (07-06)

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 100.00**Complete if Known**

Application Number	Patent#: 7,159,070
Filing Date	Issued: January 2, 2007
First Named Inventor	
Examiner Name	L. Iwashko
Art Unit	2186
Attorney Docket No.	E0295.70196US00

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☐ Deposit Account Deposit Account Number: 23/2825 Deposit Account Name: Wolf, Greenfield & Sacks, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☐ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = /50 (round up to a whole number) x =

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1811 Certificate of correction 100.00

SUBMITTED BY

Signature	<i>Scott J. Gerwin</i>	Registration No. (Attorney/Agent)	57,866	Telephone	(617) 646-8000
Name (Print/Type)	Scott J. Gerwin	Date	January 25, 2007		

Certificate of Mailing Under 37 CFR 1.8(a)

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Dated: January 25, 2007

Signature: *Eileen M. MacKenzie* (Eileen M. MacKenzie)

FEB - 2 2007 1136592.1



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FEE TRANSMITTAL

For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 100.00

Complete if Known

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Examiner Name	L. Iwashko
Art Unit	2186
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☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):
☐ Deposit Account Deposit Account Number: 23/2825 Deposit Account Name: Wolf, Greenfield & Sacks, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☐ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Fee (\$)

Small Entity Fee (\$)

Each independent claim over 3 (including Reissues)

50 25

Multiple dependent claims

200 100

360 180

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

- = x =

HP = highest number of total claims paid for, if greater than 20.

Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

- = x =

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Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)
- 100 = /50 (round up to a whole number) x =

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge): 1811 Certificate of correction

100.00

SUBMITTED BY

Signature	<i>Scott J. Gerwin</i>	Registration No. (Attorney/Agent)	57,866	Telephone	(617) 646-8000
Name (Print/Type)	Scott J. Gerwin	Date	January 25, 2007		

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Dated: January 25, 2007

Signature:

Eileen M. MacKenzie
Eileen M. MacKenzie

FEB 2 2007



Docket No.: E0295.70196US00
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stephen J. Todd, et al.
Serial No.: 10/731,796
Confirmation No.: 4319
Filed: December 9, 2003
Patent No.: 7,159,070
For: METHODS AND APPARATUS FOR CACHING A LOCATION
INDEX IN A DATA STORAGE SYSTEM

Examiner: L. Iwashko
Art Unit: 2186

Certificate of Mailing Under 37 CFR 1.8(a)

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Dated: January 25, 2007

Eileen M. MacKenzie
Eileen M. MacKenzie

REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.323

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants respectfully request that a certificate of correction be issued by the Patent Office to correct Applicants' mistake. Enclosed is a check in the amount of \$100.00 as the requisite fee pursuant to 37 C.F.R. §1.20(a) to correct Applicants' mistake. Specifically, Applicants respectfully request that the Assignee be added to the patent.

The assignment document, recorded on December 9, 2003 on Reel 014787, frame 01580111 identifies EMC Corporation as the assignee of this patent. Applicants inadvertently omitted the assignee information on the issue fee transmittal at the time the issue fee was paid.

The error was not discovered until the patent issued without an assignee.


FEB 2 2007

01/29/2007 HUONG1 00000033 7159070 100.00 0P
01 FC:1811

Applicants wish to point out that the correction requested does not involve changes in the patent that constitute new matter or would require reexamination, and therefore, respectfully request that a certificate of correction be issued.

Dated: January 25, 2007

Respectfully submitted,

By 

Scott J. Gerwin

Registration No.: 57,866

WOLF, GREENFIELD & SACKS, P.C.

Federal Reserve Plaza

600 Atlantic Avenue

Boston, Massachusetts 02210-2206

(617) 646-8000

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,159,070
APPLICATION NO. : 10/731,796
ISSUE DATE : January 2, 2007
INVENTOR(S) : Stephen J. Todd, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

[73] Assignee: EMC Corporation, Hopkinton, Massachusetts

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Scott J. Gerwin
WOLF, GREENFIELD & SACKS, P.C.
Federal Reserve Plaza
600 Atlantic Avenue
Boston, Massachusetts 02210-2206

1

3 - 2 2007